NT5D12AA Dual DTI/PRI (DDP) card

Switch setting tables for this card are listed in subsections according to their function. Bold font designates factory (default) settings.

General purpose switches

Use switch set SW9 for Trunk 0; use switch set SW15 for Trunk 1

General purpose switch settings

Switch	Description	SW9/SW15 switch setting
1	Framing Mode	**off - ESF** on - SF
2	Yellow Alarm Method	**off - FDL** on - Digit2
3	Zero Code Suppression Mode	**off - B8ZS** on - AMI
4	Unused	**off**

Trunk interface switches

A switch provides selection of T1 transmission. Use switch SW4 for Trunk 0; use switch SW10 for Trunk 1.

Table 4
Trunk interface transmission mode switch settings

Description	SW4/SW10 switch setting
For future use	off
T1	on

A set of three switches provides selection of dB values. Use SW5, SW6, and SW7 for Trunk 0; use SW11, SW12, and SW13 for Trunk 1.

Table 5
Trunk interface line build out switch settings

Description	Switch setting		
	SW5/SW11	SW6/SW12	SW7/SW13
0 dB	off	off	off
7.5 dB	on	on	off
15 dB	on	off	on

A set of four DIP switches provides selection among three values for receiver impedance. Use SW8 for Trunk 0; use SW14 for Trunk 1.

Table 6
Trunk interface impedance switch settings

Description	SW8/SW14 switch settings			
75 Ω	off	off	on	off
100 Ω	on	off	off	on
120 Ω	off	off	off	on

Ring ground switches

A set of four DIP switches selects which Ring lines are connected to ground.

Table 7
Ring ground switch settings

Switch	Description	S2 switch setting
1	Trunk 0 Transmit	**off - Ring line is not grounded** on- Ring line is grounded
2	Trunk 0 Receive	**off - Ring line is not grounded** on - Ring line is grounded
3	Trunk 1 Transmit	**off - Ring line is not grounded** on - Ring line is grounded
4	Trunk 1 Receive	**off - Ring line is not grounded** on - Ring line is grounded

DCH mode and address select switches

One switch selects an on-board NTBK51AA D-Channel daughterboard and an external MSDL/DCHI card. Four other switches provide the daughterboard address.

Table 8
DCH mode and address select switch settings

Switch	Description	S3 Switch Setting
1-4	D-Channel daughterboard Address	See the next table.
5-7	For future use	off
8	External DCH or Onboard DDCH	**off - MSDL or DCHI card** on - Onboard DDCH daughterboard

Table 9
NTBK51AA daughterboard address select switch settings

Device Address[1]	Switch Setting			
0[2]	off	off	off	off
1	on	off	off	off
2	off	on	off	off
3	on	on	off	off
4	off	off	on	off
5	on	off	on	off
6	off	on	on	off
7	on	on	on	off
8	off	off	off	on
9	on	off	off	on
10	off	on	off	on
11	on	on	off	on
12	off	off	on	on
13	on	off	on	on
14	off	on	on	on
15	on	on	on	on

Note 1: The maximum number of DCHI, MSDL, and DDCH devices in the system is 16.

The Device Addresses are equivalent to the MSDL DNUM designations. For programming information on the MSDL, refer to NTPs *Multi-Purpose Serial Data Link: Description* (553-3001-195) and*Administration* (553-3001-311) *guide.*

Note 2: Device address 0 is commonly assigned to the System Monitor.

Illustrations of switch locations and settings

Figure 4 on page 38 below displays functional areas for switches on the DDP card.

Figure 4
Switch functions and areas

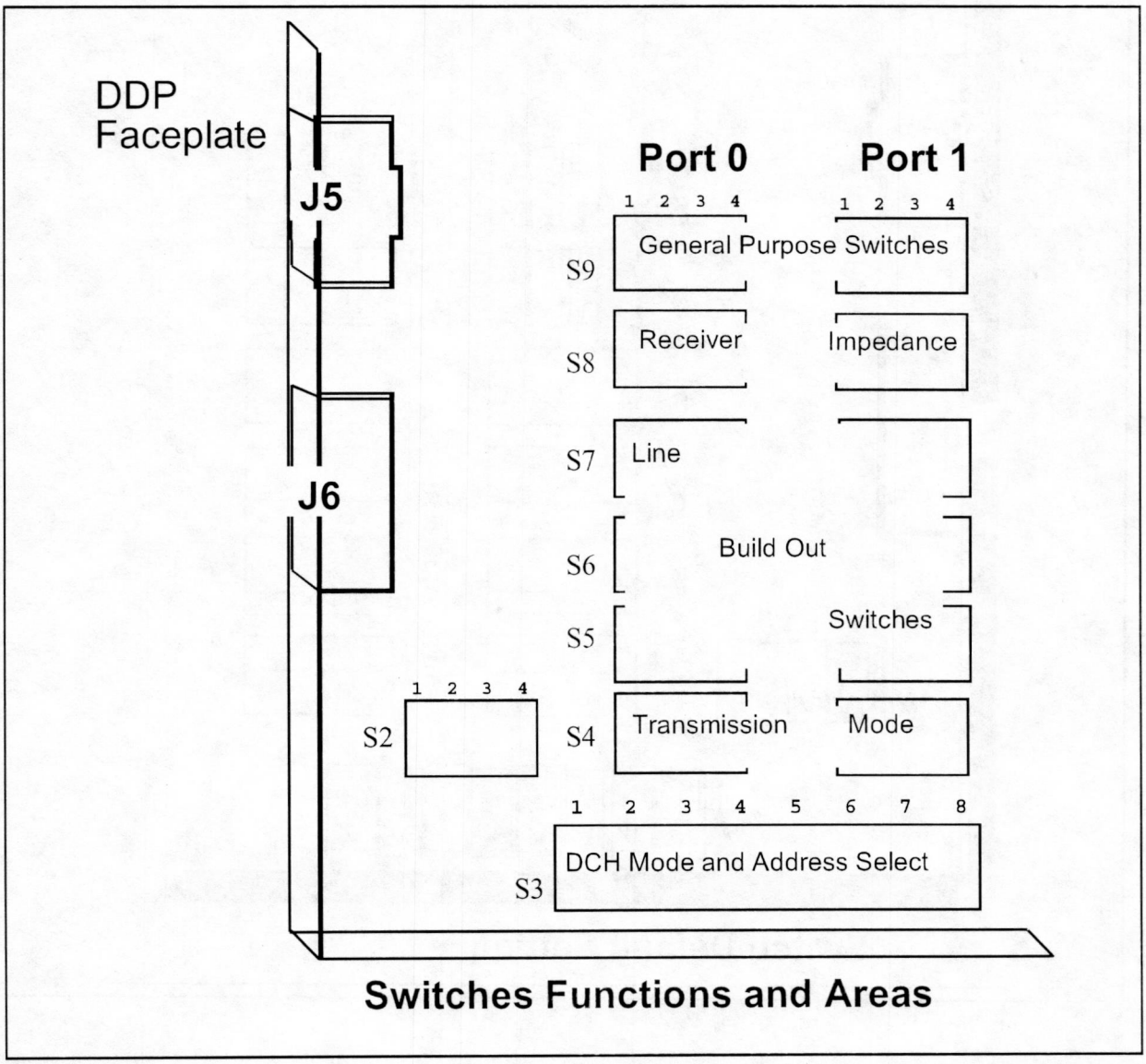
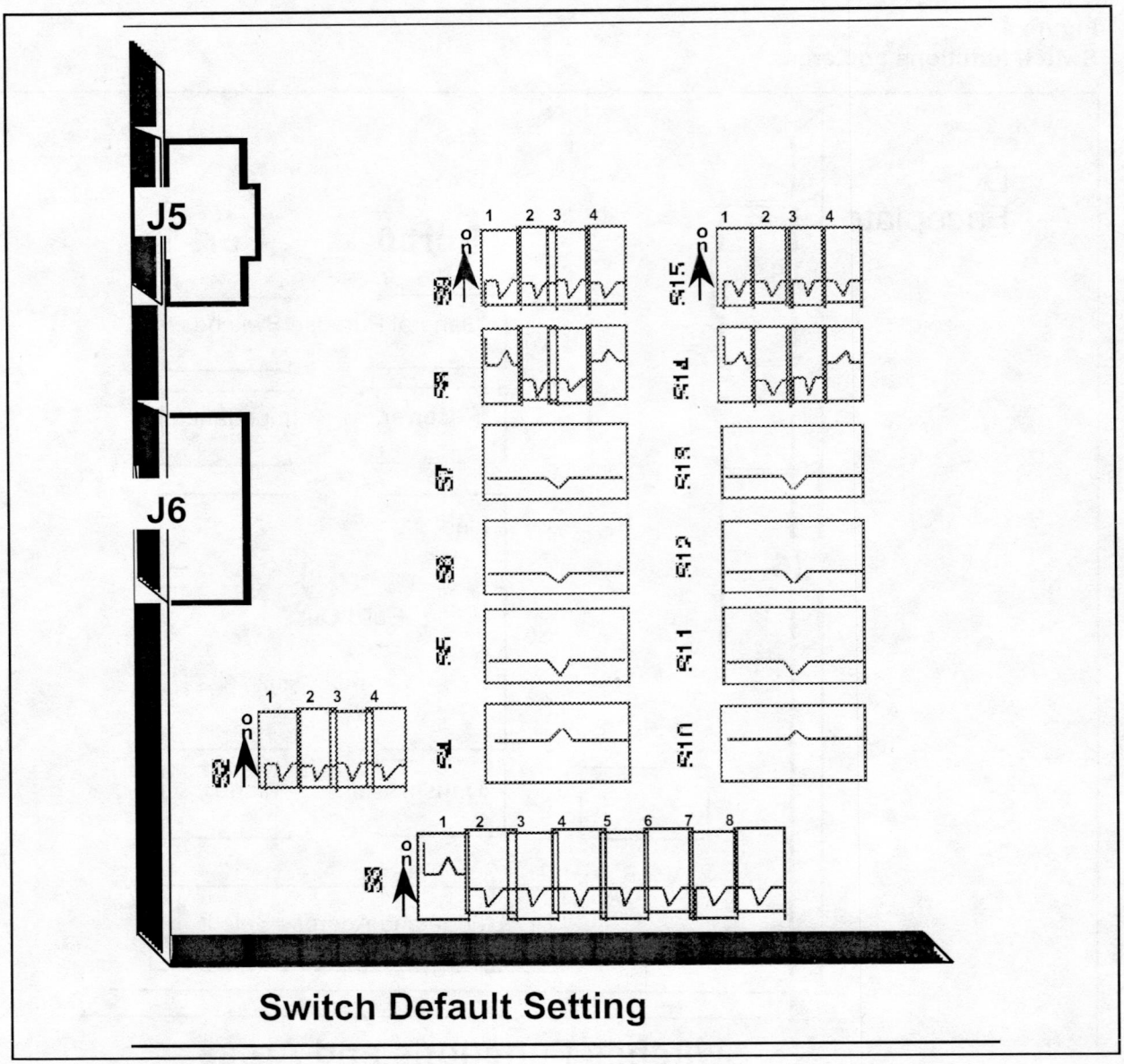


Figure 5 on page 39 displays default settings for switches on the DPP card.

Figure 5
Switch default settings



80 MB	NT5D10EA
112 MB	NT5D10JA

Quantity—One per NT5D21 Core/Network Module for Options 51C/61C. Each CP card occupies two card slots.

NT5D12AA Dual DTI/PRI (DDP) Card

System Hardware—Options 51C/61C/81C software Release 18 or later; requires the DP patch.

Purpose—Provides two DTI/PRI network connections, an optional connection to an external D-Channel Handler (QPC757 DCHI or NT6D80 MSDL), and an optional plug-on D-Channel Daughterboard (DDCH, NTBK51AA). The card integrates the functionality of two QPC472 DTI/QPC720 PRI cards and one QPC414 Network card into a single card.

The NT5D12AA occupies a single Network shelf slot. The DDP card supports all features (except the echo canceller and protocol conversion) of the QPC720. It provides an interface to the 1.5 Mbps external digital line, either directly or through an office repeater, Line Terminating Unit (LTU), or Channel Service Unit (CSU).

Quantity—As required.

AA
NT5D97AB